

PETROLEUM RESEARCH

U N I V E R S I T Y O F U T A H

CENTER

The mission of the Petroleum Research Center (PERC) is to conduct research and development studies leading to practical, cost-effective solutions to liquid hydrocarbon production, handling and transportation. With funding from the U.S. Department of Energy and the petroleum industry, the PERC coordinates basic and applied research in: the physical properties and physical and chemical thermodynamics of naturally occurring hydrocarbons, development of pipeline transportation and flow assurance strategies, and simulation, optimization and control of oil and gas recovery methods.

TECHNOLOGY

PERC works to understand problems related to the production, transportation and processing of waxy and asphaltenic crude oils and the subsequent alleviation of these problems and developing a variety of methods and software tools (models) for the efficient and optimal production of oil and gas from underground reservoirs. Over the last several years, oil companies and federal agencies have funded (and continue to fund) research in PERC, which is an integral part of the Department of Chemical and Fuels Engineering at the University of Utah.

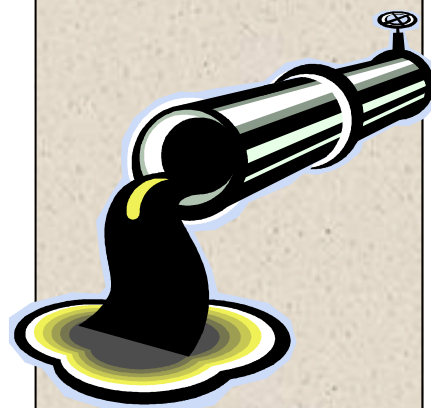
ACCOMPLISHMENTS

A patent on wax temperature measurement and wax amounts determination using spectroscopic methods was filed along with identifying two potential instrument manufacturers willing to produce commercial online units utilizing PERC technology. A property database enhancing online wax technology and Chemometrics model has been partially completed.

THINK TANK

What if there was...

A variety of methods and software tools for the efficient and optimal production of oil and gas from underground reservoirs?



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